

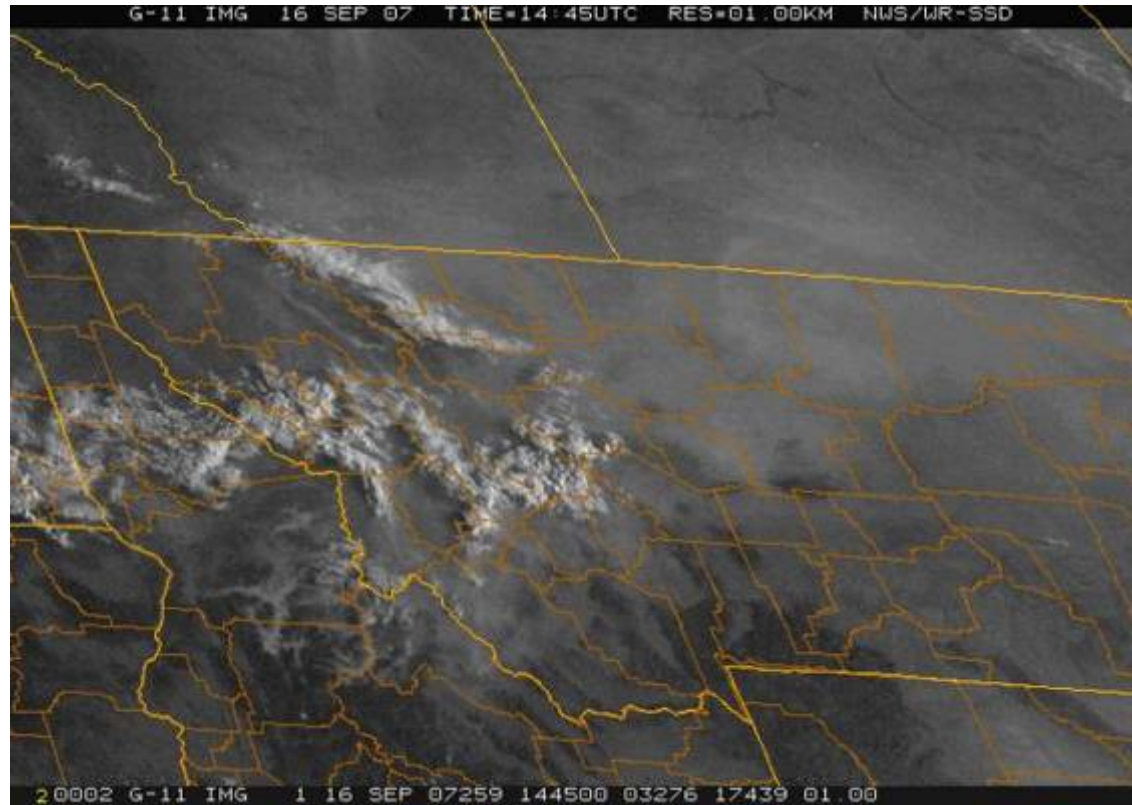
Montana DEQ Forest Fire Smoke Advisory

September 16, 2007

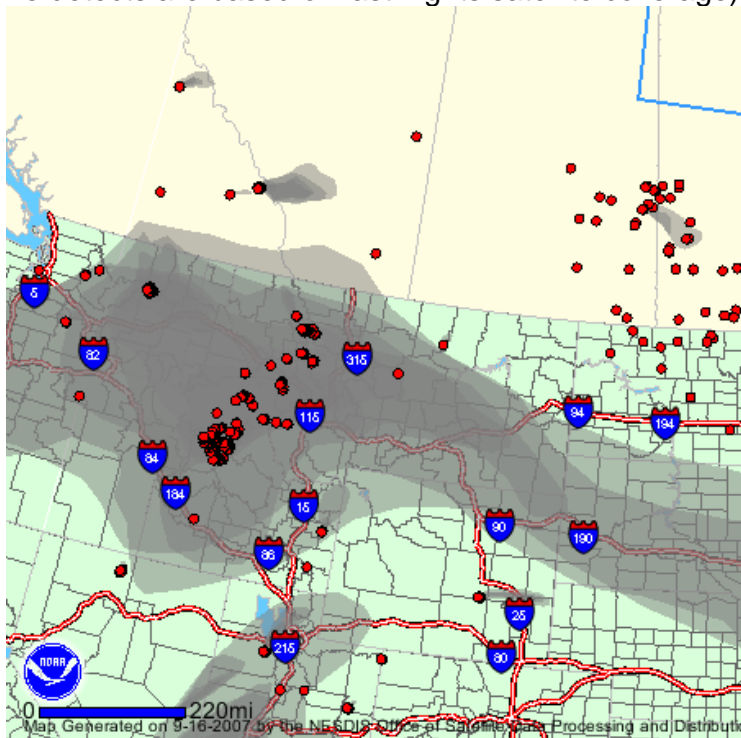
Daily Summary

Smoke levels improved late in the day in some areas as convective activity improved dispersion rate but Unhealthy smoke conditions were widespread.

A morning satellite photo centered on Great Falls is below:



This morning's analysis from NOAA's satellite services division shows the active fires in Montana and the smoke plumes combining and spreading downwind (the analyzed smoke is based on yesterday's satellite coverage, the fire detects are based on last night's satellite coverage).



Red indicates hot spot detected. Grey represents smoke seen by satellite.
Fire size is exaggerated for visibility at this scale

To identify individual fires on graphic above go here:
http://activefiremaps.fs.fed.us/lq_fire2.php

Here is a MODIS satellite photo taken at 3:19pm.



Today's smoke report is below, comparing particulate levels where we have information to MDEQ's Forest Fire health advisory levels.

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DISCUSSION:

The advisories in the table below represent conditions for the 24 hour period from midnight to midnight

[John Coefield](#)

Meteorologist

Montana Department of Environmental Quality

Locations and severity of forest fire smoke reports for the date above at reporting stations.

Real time particulate information is currently available in most of the larger urban areas from several different sources including: DEQ run PM-10 BAMS and PM2.5 BAMS, CS&KT run PM-10 TEOMS, NWS ASOS visibility monitors, and USFS remote access Nephelometers and BAMS.

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These advisories represent conditions from midnight to midnight for this day

HAZARDOUS	
VERY UNHEALTHY	
UNHEALTHY	Whitefish T24 Kalispell T24 Missoula T24 Hamilton T24 Butte T24 Helena T24
UNHEALTHY FOR SENSITIVE GROUPS	Libby T24 Dillon Vis Bozeman Vis Great Falls Vis
MODERATE	

T1(x) One-hour TEOM or BAM value (number of values)
T8(x) Eight-hour average TEOM or BAM value(number of values)
T24 24 hour average TEOM or BAM value
Vis(x) Visibility value(number of hours)
Vis(am/pm) Visibility value from twice/day reporting stations
(est) estimate